

CBM CONTROLLER ASSEMBLY INSTALL NODE 1 FWD

OBJECTIVE:

This procedure installs four CBM Controller Assemblies at the Fwd CBM port location within Node 1.

LOCATION:

Installed: Node 1 Active CBM Docking Ring

Stowed: TBD

DURATION:

1 hour

PARTS:

CBM Controller Assembly (P/N 683-13621-3) (Same as Allied Signal P/N 2355260-1)

CBM Controller Assembly Storage Container

MATERIALS:

None

TOOLS REQUIRED:

Equipment Bag

Scopemeter

Kit E:

Ratchet 3/8" Drive

4" Ext 3/8" Drive

Kit C:

7/16" Socket, 3/8" Drive

Kit D:

5/32" Hex Head, 3/8" Drive

Kit G:

(30-200 in-lbs) Trq Wrench, 3/8" Drive

IVA Tool Box, Lid #1:

Static Wrist Tether

REFERENCED PROCEDURE(S):

None

SAFE

WARNING

Failure to remove power can result in electrical shock hazard.

1. Verify Primary, Secondary RPCs supplying applicable CBM are Op.

PCS

S&M

N1 Fwd CBM Display

'Controller Panel Assy Power/Data Status'

√RPCM N13B C RPC [X] Cntr Assy [Y] [X] =	3	4	5	6
[Y] =	1	2	3	4
√RPCM N14B A RPC [X] Cntr Assy [Y] [X] =	2	3	14	15
[Y] =	1	2	3	4

CAUTION
Equipment contains parts sensitive to damage by Electrostatic Discharge (ESD).

2. Don static wrist tether.
Secure clip end to unpainted metal surface.

INSTALL

See Figure 1.

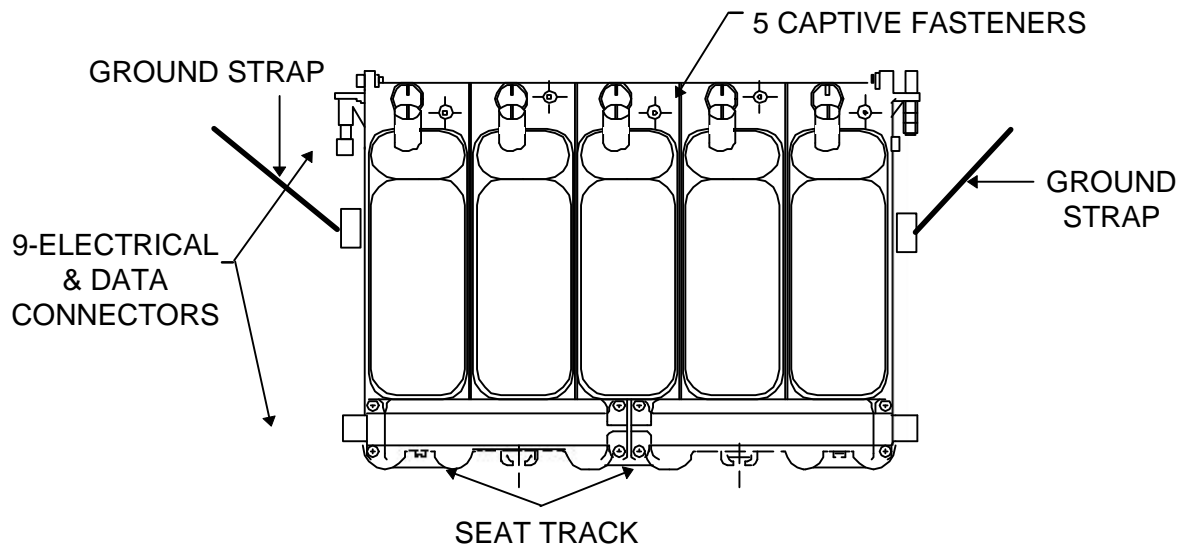


Figure 1.- CBM Controller Panel Assembly.

NOTE
Controller Assemblies were labeled when removed. Position 1 is Overhead.

3. Mount each Controller Assembly in its labeled position (1,2,3,4). Tighten fasteners (five per Assembly), torque to 100 ± 5 inch pounds (Ratchet 3/8" Drive, 7/16" Socket, (30-200 in-lbs) Trq Wrench).

4. Connect all Controller Assembly ground straps (two per Assembly)
(Ratchet 3/8" Drive, 4" Ext, 5/32" Hex Head).
5. Check for continuity between casing of each Controller Assembly module
(two per Assembly) and Node 1 structure (Scopemeter).

Table 1.- Node 1 Fwd CBM Controller Power/Data Cables

Cable	Plug No.	Receptacle No.	Harness No.
Controller Assy 1			
Capture Latch	P1	J5	TBD
Powered Bolt	P1	J6	TBD
Powered Bolt	P1	J7	TBD
Powered Bolt	P1	J8	TBD
Powered Bolt	P1	J9	TBD
Primary Power	P1	J1	W720
Secondary Power	P1	J3	W722
1553 Bus Data	P1	J2	W721
485 Bus Data	P1	J4	W723
Controller Assy 2			
Capture Latch	P1	J5	TBD
Powered Bolt	P1	J6	TBD
Powered Bolt	P1	J7	TBD
Powered Bolt	P1	J8	TBD
Powered Bolt	P1	J9	TBD
Primary Power	P2	J1	W720
Secondary Power	P2	J3	W722
1553 Bus Data	P2	J2	W721
485 Bus Data	P2	J4	W723
Controller Assy 3			
Capture Latch	P1	J5	TBD
Powered Bolt	P1	J6	TBD
Powered Bolt	P1	J7	TBD
Powered Bolt	P1	J8	TBD
Powered Bolt	P1	J9	TBD
Primary Power	P3	J1	W720
Secondary Power	P3	J3	W722
1553 Bus Data	P3	J2	W721
485 Bus Data	P3	J4	W723
Controller Assy 4			
Capture Latch	P1	J5	TBD
Powered Bolt	P1	J6	TBD
Powered Bolt	P1	J7	TBD
Powered Bolt	P1	J8	TBD
Powered Bolt	P1	J9	TBD
Primary Power	P4	J1	W720
Secondary Power	P4	J3	W722
1553 Bus Data	P4	J2	W721
485 Bus Data	P4	J4	W723

6. Mate all CBM controller power/data cables (nine per controller).
See Table 1.

POST MAINTENANCE

7. Stow Controller Assembly storage containers, tools, equipment.